

## DETAILED ACTION

### *Allowable Subject Matter*

1. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to teach or render obvious the following:

**for each pair of said antennas having overlapping beams within said coverage area, the respective pair of signal generators to use the spreading code with a mutual micro-timing offset that is large enough that destructive cancellation substantially does not occur between the common overhead components transmitted on the overlapping beams, wherein a first spreading code used to generate a signal by a first of the pair of signal generators is offset by the mutual micro-timing from a second spreading code used to generate a signal by a second of the pair of signal generators, wherein each mutual micro-timing offset is less than half a width of a traffic search window implemented in a mobile terminal communicating with the transmitter**

**transmitting, from antennas of the antenna system, signals each having a common overhead component on a plurality of beams within a sector, with a micro-timing offset of a spreading code used by the signals transmitted on adjacent overlapping beams, wherein the micro-timing offset is large enough that destructive cancellation substantially does not occur between common overhead components on the adjacent overlapping beams, wherein a first spreading code used to generate a signal on a first of the overlapping beams is offset by the**

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**micro-timing offset from a second spreading code used to generate a signal on a second of the overlapping beams**

Therefore Claims 1, 9, 26 and their corresponding dependent claims are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAYMOND S. DEAN whose telephone number is (571)272-7877. The examiner can normally be reached on Monday-Friday 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban can be reached on 571-272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Raymond S Dean/  
Examiner, Art Unit 2618  
Raymond S. Dean  
January 19, 2011